

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06798 - Goat Anti-Aminopeptidase A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** aminopeptidase A, ENPEP, glutamyl aminopeptidase (aminopeptidase A), HGNC:3355, APA, gp160, CD249, glutamyl aminopeptidase

**Official Symbol:** ENPEP

**Accession Number(s):** NP\_001968.3

**Human GeneID(s):** [2028](#)

**Non-Human GeneID(s):** 13809 (mouse)

### Immunogen

Peptide with sequence C-EQYQKTSLAQEKEK, from the internal region of the protein sequence according to NP\_001968.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 170kDa band observed in Human Brain and Testis lysates (calculated MW of 109kDa according to NP\_001968.2). Primary incubation was for 1 hour. The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ando et al, J Clin Endocrinol Metab. 2002 May;87(5):2303-9; PMID: 11994381). Recommended concentration: 1-3µg/ml. This antibody has been successfully used in WB on Rat: PMID: 28399178 and 25470983.

**IHC:** In paraffin embedded Human Kidney shows staining of basement membrane and the mesangium in the glomerulus. Recommended concentration: 3-5µg/ml.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

### Specific References

**This antibody has been successfully used in WB on Rat:**

Quesada A, Segarra AB, Montoro-Molina S, de Gracia MD, Osuna A, O'Valle F, Gómez-Guzmán M, Vargas F, Wangensteen R.

Glutamyl aminopeptidase in microvesicular and exosomal fractions of urine is related with renal dysfunction in cisplatin-treated rats.

PLoS One. 2017 Apr 11;12(4):e0175462

PMID: 28399178

**This antibody has been successfully used in WB on Rat:**

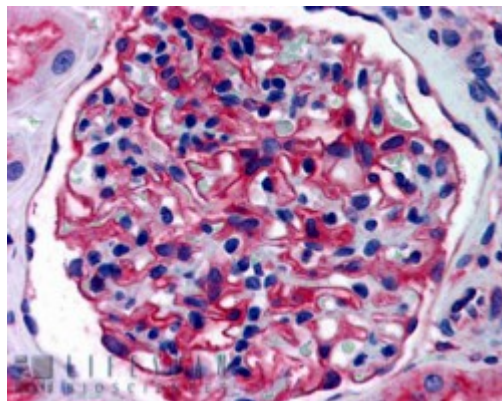
Montoro-Molina S, Quesada A, Zafra-Ruiz PV, O'Valle F, Vargas F, de Gracia Mdel C, Osuna A, Wangensteen R

Immunological detection of glutamyl aminopeptidase in urine samples from cisplatin-treated rats. Proteomics Clin Appl. 2015 Jun;9(5-6):630-5.

PMID: 25470983



EB06798 staining (1 $\mu$ g/ml) of Human Testis lysate (RIPA buffer, 30 $\mu$ g total protein per lane). Detected by chemiluminescence.



EB06798 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.